A.T.S.® Automatic Tourniquet System

Putting Pressure Where it Belongs

zimmer
Personal Fit. Renewed Life.™

A.T.S.® Automatic Tourniquet System

Patient Satisfaction – The Equipment Makes the Difference

Tourniquet systems are medical devices which apply circumferential pressure to a limb in order to temporarily occlude venous and arterial circulation to that particular extremity. This allows the tourniquet system to block the blood flow to a limb, thereby creating a bloodless field.

The surgical use of tourniquets has come a long way since its first appearance in the Roman times 199 BCE – 500 CE. Today, surgeons rely on electric powered pneumatic tourniquets, which allow for control of pressure. Tourniquets play an important part in many procedures that require a bloodless field, such as trauma, sports medicine, and plastic surgeries.

Zimmer Ltd. produces pneumatic tourniquets driven by electricity, which provides a control of pressure. *A.T.S.* Tourniquet Systems use ambient air so there is no need for nitrogen tanks or wall hookups. Microprocessor controls provide accuracy and speed, allowing the system to react quickly to manual input changes or self-monitored conditions that require automatic adjustments.

A.T.S. Tourniquet Systems are high-end technology products, which respond to the following users and patient needs:

- Bloodless surgical field
- Accurate monitoring of tourniquet time
- High convenience for user and patient

With a special focus on these issues, Zimmer has incorporated practical elements of today's technology to develop the *A.T.S.* Automatic Tourniquet Systems. By allowing you to control the tourniquet without diverting concentration from other important intraoperative matters, Zimmer Automatic Tourniquet Systems take the pressure off you and put it right where it belongs. Tourniquets are used by orthopaedic surgeons in Knee, Upper Extremity (Elbow, Hand, Wrist) and Lower Extremity (Ankle, Foot) Arthroplasties.

All A.T.S. Tourniquet Systems Offer

- Built-in proprietary safety features as recommended by the Association of periOperative Registered Nurses (AORN)[1]:

  SELF-CHECK CALIBRATION automatically checks the accuracy of the machine calibration each time the unit is powered on

  CUFF ALERT alerts user of cuff status when attempt is made to set the machine to stand-by

  CUFF LOCKOUT feature prompts the user to confirm the deflation command during bilateral or IVRA procedure in order to reduce complications due to sudden cuff deflation of the second cuff

- Uses ambient air
- Visual and audible alarms when an unsafe condition is detected
- Electronic and microprocessor regulated pressure
- Battery back-up incorporated to help ensure continuous power
- Mounting brackets and footpads allowing for mounting on I.V. pole or placement on table-top
- Positive locking connectors help prevent unintentional detachment of air hoses

Zimmer A.T.S.® 750 Tourniquet System

Easy to Learn, Easy to Use

The *A.T.S.* 750 Tourniquet is a full-featured and automatic tourniquet system that is sensitive to the cost issues that all health care professionals face today.

- Uses ambient air
- Uses electronic and microprocessor regulated pressure
- Single port system: Uses single port, single bladder cuffs
- 30 minute battery back-up provides mobility by helping ensure continuous power
- Visual and audible alarms activated when an unsafe condition is detected
- Self-check calibration each time the *A.T.S.* 750 System is switched on

Zimmer A.T.S.® 1200 Tourniquet System

Safe, Convenient and Reliable

The *A.T.S.* 1200 Tourniquet addresses important concerns in tourniquet system design, providing the features that healthcare facilities demand.

- Uses ambient air
- Uses electronic and microprocessor regulated pressure
- Single port, dual cuff system: Uses up to two single port, single bladder cuffs
- Allows for use of IVRA/Bier Block procedures
- 45 minute battery back-up provides mobility by helping ensure continuous power
- Visual and audible alarms activated when an unsafe condition is detected
- Self-check calibration each time the *A.T.S.*1200 System is switched on

Zimmer A.T.S.® 3000 Tourniquet System

A Calculated Response for Optimal Pressure

The *A.T.S.* 3000 System leads the tourniquet industry in offering Limb Occlusion Pressure (LOP) technology that senses, calculates and reports the cuff pressure necessary to achieve complete blood occlusion in the operative limb. Through this technology, the *A.T.S.* 3000 System provides a lower pressure, without compromising the bloodless field.

- Innovative Limb Occlusion Pressure (LOP) feature
- Uses ambient air
- Uses electronic and microprocessor regulated pressure
- Dual port, Dual Cuff system: for simultaneous use of two dual port cuffs each with offering independent pressure and time regulation
- Facilitates dual port, dual bladder cuff usage for IVRA/Bier Block procedures
- Uses dedicated ports for supplying and measuring pressure which allows for fast and precise pressure regulations
- 4 hour battery back-up provides mobility by helping ensure continuous power
- Visual and audible alarms activated when an unsafe condition is detected
- Self-check calibration each time the *A.T.S.* 3000 System is switched on

Zimmer A.T.S.® LOP Technology

The Zimmer *A.T.S.* Limb Occlusion Pressure (LOP) provides a means by which to automatically calculate and report the minimum cuff pressure necessary to achieve complete blood occlusion in the operative limb. This helps determine the optimal pressure for blood occlusion based on each patient's physiological characteristics at that specific point in time. This includes limb size and circumference, blood pressure, cuff design and fit, and tissue and vascular status.

Along with tourniquet time, tourniquet pressure is of considerable concern due to the potential complications which may arise as a result. Lower tourniquet pressures are associated with a lower risk of nerve-related injuries and other complications[2], as well as less perceived post-operative pain[3]. However, though minimizing the tourniquet pressure may minimize many complications, this minimum has a limit in that the tourniquet still must exert sufficient pressure in order to provide a bloodless field. This balance point is known as the Limb Occlusion Pressure.

Noordin et.al. describe Limb Occlusion Pressure as "the minimum pressure required, at a specific time by a specific tourniquet cuff applied to a specific patient's limb at a specific location, to stop the flow of arterial blood into the limb distal to the cuff".[2]

In order to create a patient's LOP measurement, an *A.T.S.* 3000 LOP sensor is applied to the index finger or second toe of the patient's operative limb under non-sterile conditions prior to surgical preparation. In approximately 30 seconds, the *A.T.S.* 3000 will provide a Recommended Tourniquet Pressure (RTP) for the specific patient and conditions.[4] The RTP is based on the LOP reading but factors in a pressure margin in order to account for blood pressure fluctuations during the surgical procedure.

Several studies have shown that the use of LOP can significantly reduce mean tourniquet pressures without compromising the quality of the surgical field, especially when used with a wide contoured cuff. [4,5,6]

Zimmer A.T.S.® Cuffs

Versatility and Flexibility for Both Surgeon and Patient

No two people are the same. Each patient is different, which makes each procedure unique. For this reason, Zimmer offers a wide range of cuffs to meet the needs of different patient physiologies. Zimmer Cuffs are designed and manufactured to ensure convenience and comfort in any tourniquet application. With a wide variety of sizes, it is easy to meet even the most demanding procedural needs.

Key Features

- **Color Coding**
  For easy size identification
- **Protection Sleeves**
  Specially designed to complement Zimmer cuffs and to protect the patient from soft tissue damage
- **90 Degree Ports**
  Help keep hoses clear of the surgical site
- **Positive Locking Connectors**
  Help prevent unintentional detachment from regulator hoses
- **High Quality Material**
  Latex-free and durable, manufactured to withstand procedural demand
- **Single and Dual Port Options**
  All cuff styles are available in both single and dual port configurations, allowing for use with any *A.T.S.* Tourniquet regulator. Single port cuffs for use with the *A.T.S.* 750 and *A.T.S.* 1200 Tourniquet Systems. Dual port cuffs for use with *A.T.S.* 3000 Tourniquet System.
- **Single and Dual Bladder Option**
  Offers clinicians convenient choices for cuff style and sizing. Single bladder cuffs are available in all sizes. Dual bladder cuffs are available in selected sizes for use with intravenous regional anesthesia (IVRA/Bier Block) procedures.

Reusable

Cylindrical Cuffs

Comfortable Wearing – Time and Time Again

Zimmer non-sterile reusable cuffs are designed and manufactured to ensure convenience and comfort in any tourniquet application. With the expanded line of small adult cuffs, the clinician can feel secure that procedural demand will be met without sacrificing patient comfort.

Disposable

Cylindrical Cuffs

No Cleaning, no Cross Contamination

Zimmer sterile disposable cuffs are designed and manufactured to ensure performance while providing single-use convenience. The disposable cuff family provides high quality material without the hassle of cleaning or risk of cross contamination. A comprehensive offering provides multiple options to help the clinician meet patient needs.

Contour Cuffs

Each Patient is Different – Each Procedure Unique

A.T.S. Contour Cuffs are designed to fit most adult patient for arm, thigh, lower leg and IVRA/Bier Block applications. Contour cuffs use unique, patented pivoting straps with a contour design that adjust to a wide range of limb shapes and sizes.
The shape is optimized for conically shaped limbs.

Contour cuffs are wider than other cuffs. Wide contour cuffs occlude blood flow at lower pressure than narrow cuffs. Due to the conical shape, contoured cuffs match the conical shape of the limb and reduce limb occlusion pressure. Also, due to the higher contact area at the limb, contoured cuffs are less likely to shift towards the incision line.

Three contour cuff styles are available:

- Contour Thigh Cuff
- Contour Upper Limb Cuff
- Contour Lower Leg Cuff

Color Code

Cuff and Sleeves Measurements (centimeters) and Color Code				
Color Code		Cuff Size inch	Cuff Size cm	Recommended Limb Occlusion Range
White	○	8	20	7–8.5in / 18–22cm
Black	●	12	30	7.5–11.0in / 19–28cm
Red	●	18	45	10.5–16.5in / 27–42cm
Green	●	24	61	16.5–23.0in / 42–58cm
Blue	●	30	76	21.0–28.0in / 53–71cm
Brown	●	34	86	22.5–32.0in / 57–81cm
Ruby colored	●	42	107	28.0–40.0in / 71–102cm

Zimmer A.T.S.® Sleeves

Helps Reduce Wrinkling, Pinching and Shearing of Soft Tissue

To help protect patients from skin injury caused by tourniquet use, effective limb protection should be used. Zimmer offers specially designed disposable limb protection sleeve sizes matched and color coded to Zimmer tourniquet cuffs.

These sleeves offer the following important advantages:

- Effectively reduce wrinkling, pinches, and shearing on the skin surface
- Sufficient sleeve length to fold back over the cuff for cuff protection and stability
- Reduces the chance of cuff migrating off the sleeve and contacting the skin directly
- Helps prevent bacterial contamination on tourniquet cuff
- Reduces the chance of folding or wrinkling of the limb protection material under the cuff during cuff application as sleeve is under controlled tension even on the smallest limb in the cuff range
- Available for all Zimmer tourniquet cuffs
- Color coded to match the accompanying cuff

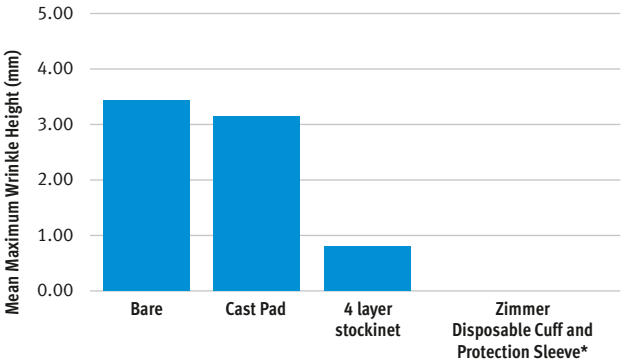
The limb protection sleeves are made of elastic tubular bandage, a proven material well established in limb compression applications. The tube diameter is specified for each sleeve size as required to give the optimum range of stretch for the matching cuff range.

Effectiveness of Zimmer Limb Protection Sleeves

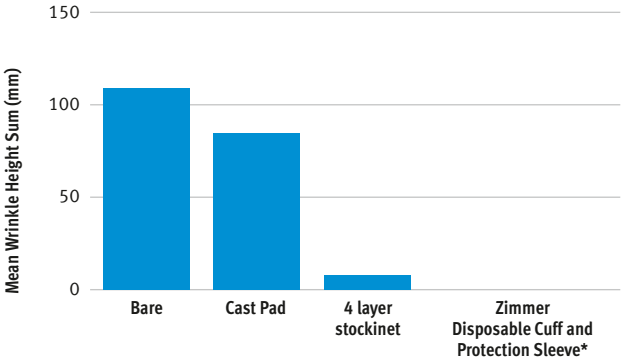
Limb Protection Sleeves have been tested by Western Clinical Engineering Ltd. (Western Clinical)[7]

For safety, it is important to limit the sleeve compression, by way of a carefully sized sleeve of known elasticity, to less than 20mmHg (approximate venous pressure). Western Clinicals tested in over 180 compressions on thighs and upper arms, the concept of a thin, two-layer elastic fabric sleeve. It was found that light compression prevents the cuff from gathering up the skin into a wrinkle or pinch, even at the cuff overlap. This light compression approach is different from the idea of padding in an attempt to dampen out wrinkles, as seen in thick stockinet sleeves where multiple layers or thick layers of padding material are built into the cuff.

a) Mean Maximum Wrinkle Height



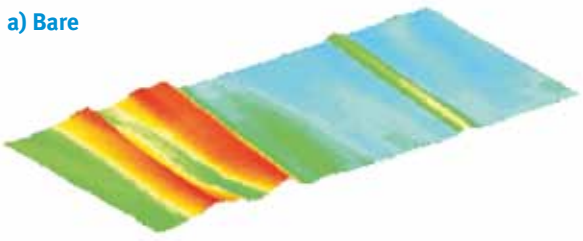
b) Mean Wrinkle Height Sum



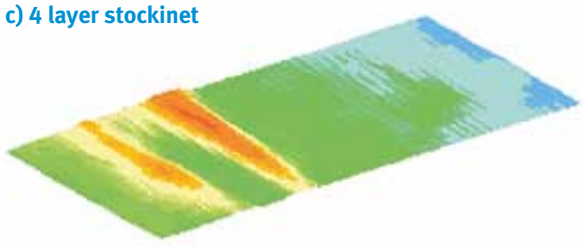
Comparison of maximum wrinkle or pinch height (a) and sum of all wrinkle and pinch heights (b), n = 9 trials in each group on arms and thighs of 3 adult subjects.

* No delectable wrinkles or pinches in any trial with Zimmer Disposable Cuff and Protection Sleeve

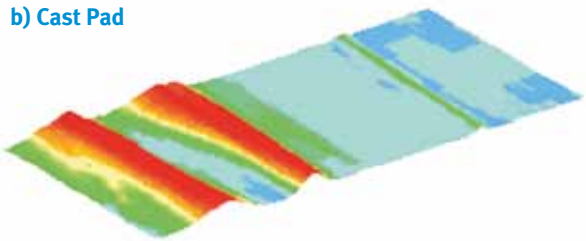
a) Bare



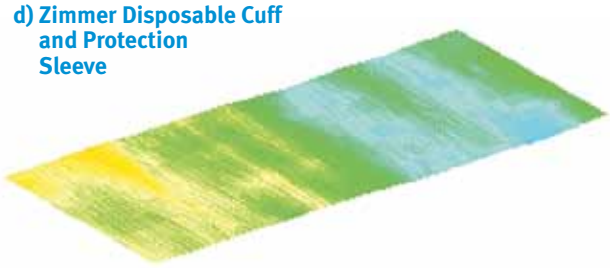
c) 4 layer stockinet



b) Cast Pad



d) Zimmer Disposable Cuff and Protection Sleeve

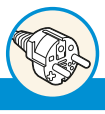
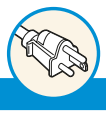


Typical comparison (Zimmer 24" disposable cuff and protective sleeve on a 20" circumference thigh): (a) No limb protection, (b) 2 layers of cotton cast padding, (c) 4 layer stockinet, and (d) Zimmer Disposable Cuff and Protective Sleeve. Green areas are within +/– 1mm of mean height, yellow to red indicates pinches 1mm to 2+mm above mean height, light to dark blue areas are 1mm to 2+mm below mean height.

Ordering Information

Tourniquet Machines		
REF. NO	Description	
60-0750-101-00	A.T.S. 750 with hose and English manual	A.T.S. 750
60-0750-301-00	A.T.S. 750 with hose and multilingual manual	
60-0750-102-00	A.T.S. 750 with hose and A.T.S. Cylindrical cuffs (60-7600-001/007-00)	
60-0750-103-00	A.T.S. 750 with hose and A.T.S. Cylindrical cuffs (60-7600-001/007-00), stand and basket	
60-1200-101-00	A.T.S. 1200 with hoses and English manual	A.T.S. 1200
60-1200-301-00	A.T.S. 1200 with hoses and multilingual manual	
60-1200-102-00	A.T.S. 1200 with hoses and A.T.S. Cylindrical cuffs (60-7600-001/007-00)	
60-1200-103-00	A.T.S. 1200 with hoses and A.T.S. Cylindrical cuffs (60-7600-001/007-00), stand and basket	
60-3000-101-00	A.T.S. 3000 with hoses and English manual	A.T.S. 3000 US
60-3000-102-00	A.T.S. 3000 with hoses, English manual and cuffs (60-7500-001/007-00)	
60-3000-103-00	A.T.S. 3000 with hoses, English manual, cuffs (60-7500-001/007-00), stand and basket	
60-3000-301-02	A.T.S. 3000 with hoses, French manual and reference cards, Central EU Power Cord	A.T.S. 3000 International
60-3000-301-03	A.T.S. 3000 with hoses, German manual and reference cards, Central EU Power Cord	
60-3000-301-05	A.T.S. 3000 with hoses, Italian manual and reference cards, Italian Power Cord	
60-3000-301-07	A.T.S. 3000 with hoses, Swedish manual and reference cards, Central EU Power Cord	
60-3000-301-11	A.T.S. 3000 with hoses, Spanish manual and reference cards, Central EU Power Cord	
60-3000-301-12	A.T.S. 3000 with hoses, Dutch manual and reference cards, Central EU Power Cord	
60-3000-301-13	A.T.S. 3000 with hoses, Danish manual and reference cards, Danish Power Cord	
60-3000-301-14	A.T.S. 3000 with hoses, Portuguese manual and reference cards, Central EU Power Cord	
60-3000-301-15	A.T.S. 3000 with hoses, Greek manual and reference cards, Central EU Power Cord	
60-3000-301-24	A.T.S. 3000 with hoses, Finnish manual and reference cards, Central EU Power Cord	
60-3000-301-25	A.T.S. 3000 with hoses, Turkish manual and reference cards, Central EU Power Cord	
60-3000-301-26	A.T.S. 3000 with hoses, English manual and reference cards, UK Power Cord	
60-3000-301-27	A.T.S. 3000 with hoses, English manual and reference cards, Australian Power Cord	

A.T.S. Tourniqeut Accessories					
REF. NO	Description	Units/Box	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-2790-001-00	Cuff hose (red) with PLC and LLC connector	1	x	x	
60-2790-002-00	Cuff hose (blue) with PLC and LLC connector	1	x	x	
60-4017-001-00	Dual Cuff hose (blue/white) with PLC and LLC connector	1			x
60-4018-001-00	Dual Cuff hose (red/white) with PLC and LLC connector	1			x
60-4009-101-00	Sterile single hose extension with PLC connector	20	x	x	
60-1812-101-00	Sterile Dual hose extension with PLC connector	20			x
60-3000-105-00	LOP Sensor Kit	1			x
60-4022-001-00	Tourniquet Stand inclusive base and pole	1	x	x	x
60-1908-001-00	Accessroy basket	1	x	x	x

Power Cords								
	Central Europe / Korea	United Kingdom / Hong Kong	Switzerland	Denmark	Italy	Australia	Japan	India
A.T.S. 750 & 1200	60-4500-001-00	60-4500-002-00	60-4500-003-00	60-4500-004-00	60-4500-005-00	60-4500-006-00	60-4500-007-00	60-4500-008-00
A.T.S. 1200 & 3000	60-4600-001-00	60-4600-002-00	60-4600-003-00	60-4600-004-00	60-4600-005-00	60-4600-006-00	60-4600-007-00	60-4600-008-00

Ordering Information

Disposable Cuffs (Sterile)

Cylindrical – Single Port, Single Bladder (10 Units/Box)

REF. NO PLC with Sleeves	REF. NO PLC without Sleeves	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7075-151-00	60-7075-101-00	20cm x 7cm (8in x 2.75in)	x	x	
60-7075-152-00	60-7075-102-00	30cm x 9cm (12in x 3.5in)	x	x	
60-7075-153-00	60-7075-103-00	46cm x 10cm (18in x 4in)	x	x	
60-7075-154-00	60-7075-104-00	61cm x 10cm (24in x 4in)	x	x	
60-7075-155-00	60-7075-105-00	76cm x 10cm (30in x 4in)	x	x	
60-7075-156-00	60-7075-106-00	86cm x 10cm (34in x 4in)	x	x	
60-7075-157-00	60-7075-107-00	107cm x 10cm (42in x 4in)	x	x	

Cylindrical – Single Port, Dual Bladder (10 Units/Box)

REF. NO PLC with Sleeves	REF. NO PLC without Sleeves	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7085-151-00	60-7085-101-00	30cm x 9cm (12in x 3.5in)		x	
60-7085-152-00	60-7085-102-00	46cm x 10cm (18in x 4in)		x	
60-7085-153-00	60-7085-103-00	61cm x 10cm (24in x 4in)		x	

Cylindrical – Dual Port, Single Bladder (10 Units/Box)

REF. NO PLC with Sleeves	REF. NO PLC without Sleeves	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7070-151-00	60-7070-101-00	20cm x 7cm (8in x 2.75in)			x
60-7070-152-00	60-7070-102-00	30cm x 9cm (12in x 3.5in)			x
60-7070-153-00	60-7070-103-00	46cm x 10cm (18in x 4in)			x
60-7070-154-00	60-7070-104-00	61cm x 10cm (24in x 4in)			x
60-7070-155-00	60-7070-105-00	76cm x 10cm (30in x 4in)			x
60-7070-156-00	60-7070-106-00	86cm x 10cm (34in x 4in)			x
60-7070-157-00	60-7070-107-00	107cm x 10cm (42in x 4in)			x

Cylindrical – Dual Port, Dual Bladder (10 Units/Box)

REF. NO PLC with Sleeves	REF. NO PLC without Sleeves	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7080-151-00	60-7080-101-00	30cm x 9cm (12in x 3.5in)			x
60-7080-152-00	60-7080-102-00	46cm x 10cm (18in x 4in)			x
60-7080-153-00	60-7080-103-00	61cm x 10cm (24in x 4in)			x

Ordering Information

Reusable Cuffs (non-sterile, with Positive Locking Connectors (PLC) only)

Cylindrical – Single Port, Single Bladder (1 Unit/Box)

REF. NO	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7600-001-00	20cm x 7cm (8in x 2.75in)	x	x	
60-7600-002-00	30cm x 9cm (12in x 3.5in)	x	x	
60-7600-003-00	46cm x 10cm (18in x 4in)	x	x	
60-7600-004-00	61cm x 10cm (24in x 4in)	x	x	
60-7600-005-00	76cm x 10cm (30in x 4in)	x	x	
60-7600-006-00	86cm x 10cm (34in x 4in)	x	x	
60-7600-007-00	107cm x 10cm (42in x 4in)	x	x	

Cylindrical – Dual Port, Single Bladder (1 Unit/Box)

REF. NO	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7500-001-00	20cm x 7cm (8in x 2.75in)			x
60-7500-002-00	30cm x 9cm (12in x 3.5in)			x
60-7500-003-00	46cm x 10cm (18in x 4in)			x
60-7500-004-00	61cm x 10cm (24in x 4in)			x
60-7500-005-00	76cm x 10cm (30in x 4in)			x
60-7500-006-00	86cm x 10cm (34in x 4in)			x
60-7500-007-00	107cm x 10cm (42in x 4in)			x

Cylindrical – Single Port, Dual Bladder (1 Unit/Box)

REF. NO	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7666-001-00	30cm x 9cm (12in x 3.5in)		x	
60-7666-002-00	46cm x 10cm (18in x 4in)		x	
60-7666-003-00	61cm x 10cm (24in x 4in)		x	

Cylindrical – Dual Port, Dual Bladder (1 Unit/Box)

REF. NO	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7555-001-00	30cm x 9cm (12in x 3.5in)			x
60-7555-002-00	46cm x 10cm (18in x 4in)			x
60-7555-003-00	61cm x 10cm (24in x 4in)			x

Small Adult Cuffs – Cylindrical – Single Port, Single Bladder (1 Unit/Box)

REF. NO	Description	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-8000-001-00	XSm Adult Cuff	38cm x 8cm (15in x 3in)	x	x	
60-8000-002-00	Sm Adult Cuff	44cm x 9cm (17.5in x 3.5in)	x	x	

Small Adult Cuffs – Cylindrical – Dual Port, Single Bladder (1 Unit/Box)

REF. NO	Description	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-8100-001-00	XSm Adult Cuff	38cm x 8cm (15in x 3in)			x
60-8100-002-00	Sm Adult Cuff	44cm x 9cm (17.5in x 3.5in)			x

Contour – Single Port, Single Bladder (1 Unit/Box)

REF. NO	Description	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7350-002-00	Upper Limb Cuff	Width 15cm (5.75in) Limb Size 23 to 53.5cm (9 to 21in)	x	x	
60-7350-003-00	Thigh Cuff	Width 15cm (5.75in) Limb Size 30 to 76cm (12 to 30in)	x	x	
60-7350-004-00	Lower Leg Cuff	Width 15cm (5.75in) Limb Size 23 to 43cm (9 to 17in)	x	x	
60-7600-008-00	Large Cuff	Width 12.5cm (4.75in) Limb Size 76 to 99cm (30 to 39in)	x	x	

Contour – Dual Port, Single Bladder (1 Unit/Box)

REF. NO	Description	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7450-002-00	Upper Limb Cuff	Width 15cm (5.75in) Limb Size 23 to 53.5cm (9 to 21in)			x
60-7450-003-00	Thigh Cuff	Width 15cm (5.75in) Limb Size 30 to 76cm (12 to 30in)			x
60-7450-004-00	Lower Leg Cuff	Width 15cm (5.75in) Limb Size 23 to 43cm (9 to 17in)			x
60-7500-008-00	Large Cuff	Width 12.5cm (4.75in) Limb Size 76 to 99cm (30 to 39in)			x

Contour – Single Port, Dual Bladder (1 Unit/Box)

REF. NO	Description	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7350-011-00	Upper Limb IVRA Cuff	Width 15cm (5.75in) Limb Size 23 to 53.5cm (9 to 21in)		x	

Contour – Dual Port, Dual Bladder (1 Unit/Box)

REF. NO	Description	Size	A.T.S. 750	A.T.S. 1200	A.T.S. 3000
60-7450-011-00	Upper Limb IVRA Cuff	Width 15cm (5.75in) Limb Size 23 to 53.5cm (9 to 21in)			x

Ordering Information

Sleeves and Bandages

Cuff Sleeves (10 Units/Box)				
REF. NO	Description	Size	Sterile	Non-Sterile
60-8000-008-00	Sleeve for Cylindrical Cuff	20cm (8in)	x	
60-8000-012-00	Sleeve for Cylindrical Cuff	30cm (12in)	x	
60-8000-018-00	Sleeve for Cylindrical Cuff	46cm (18in)	x	
60-8000-024-00	Sleeve for Cylindrical Cuff	61cm (24in)	x	
60-8000-030-00	Sleeve for Cylindrical Cuff	76cm (30in)	x	
60-8000-034-00	Sleeve for Cylindrical Cuff	86cm (34in)	x	
60-8000-042-00	Sleeve for Cylindrical Cuff	107cm (42in)	x	
60-7920-001-00	Sleeve for Contour Upper Limb Cuff	23 to 53cm (9 to 21in)		x
60-7920-002-00	Sleeve for Contour Thigh Cuff	30 to 76cm (12 to 30in)		x
60-7920-003-00	Sleeve for Contour Lower Leg Cuff	23 to 43cm (9in to 17in)		x
60-7910-001-00	Sleeve for extra small adult cuff	8cm (3in)		x
60-7910-002-00	Sleeve for small adult cuff	9cm (3.5in)		x

Esmark Bandages (20 Units/Box)				
REF. NO	Description	Size	Sterile	Non-Sterile
60-2694-012-00	Esmark Bandages Latex Free Sterile	10cm x 3m (4in x 9ft)	x	
60-2694-013-00	Esmark Bandages Latex Free Sterile	14cm x 3m (5.5in x 9ft)	x	
60-2694-015-00	Esmark Bandages Latex Free Sterile	10cm x 4m (4in x 12ft)	x	
60-2694-016-00	Esmark Bandages Latex Free Sterile	14cm x 4m (5.5in x 12ft)	x	
60-2694-001-00	Esmark Bandages Sterile	8cm x 3m (3in x 9ft)	x	
60-2694-002-00	Esmark Bandages Sterile	10cm x 3m (4in x 9ft)	x	
60-2694-003-00	Esmark Bandages Sterile	14cm x 3m (5.5in x 9ft)	x	
60-2694-005-00	Esmark Bandages Sterile	10cm x 4m (4in x 12ft)	x	
60-2694-006-00	Esmark Bandages Sterile	14cm x 4m (5.5in x 12ft)	x	

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Lit. No. 06.01734.012 – Ed. 2012-08 ZHUB

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